

284025US0XPCT.ST25  
SEQUENCE LISTING

<110> Schaack, Beatrice  
Cochet, Claude  
Filhol-Cochet, Odile  
Fouque, Brigitte

<120> SMALL INTERFERING RNA TO SUB-UNITS ALPHA, ALPHA', AND BETA OF THE PROTEIN KINASE CK2 AND THE APPLICATIONS OF THE SAME

<130> 284025US0XPCT

<140> 10/563,011  
<141> 2005-12-30

<150> PCT/FR04/01729  
<151> 2004-07-02

<150> FR 03/08032  
<151> 2003-07-02

<160> 87

<170> PatentIn version 3.3

<210> 1  
<211> 21  
<212> DNA  
<213> *Mus musculus*

<400> 1  
aagcagggcc agagtttaca c 21

<210> 2  
<211> 21  
<212> DNA  
<213> *Mus musculus*

<400> 2  
aacacacaca gaccccgaga g 21

<210> 3  
<211> 21  
<212> DNA  
<213> *Mus musculus*

<400> 3  
cagaccccgaa gagtactggg a 21

<210> 4  
<211> 21  
<212> DNA  
<213> *Mus musculus*

<400> 4  
aatttgagag gtggggccaa c 21

<210> 5  
<211> 21  
<212> DNA  
<213> *Mus musculus*

<400> 5  
aatgtccgag ttgcttctcg a 21

284025US0XPCT.ST25

<210> 6	
<211> 21	
<212> DNA	
<213> Mus musculus	
<400> 6	
tgtggagctt gggttgtatg c	21
<210> 7	
<211> 20	
<212> DNA	
<213> Mus musculus	
<400> 7	
tcagttggtg aggatagccaa	20
<210> 8	
<211> 21	
<212> DNA	
<213> Mus musculus	
<400> 8	
tggtgaggat agccaagggtt c	21
<210> 9	
<211> 19	
<212> DNA	
<213> Mus musculus	
<400> 9	
aggatagccaa aggttctgg	19
<210> 10	
<211> 21	
<212> DNA	
<213> Mus musculus	
<400> 10	
aacgatatct tgggcagaca c	21
<210> 11	
<211> 21	
<212> DNA	
<213> Mus musculus	
<400> 11	
gatactttgg gcagacactc c	21
<210> 12	
<211> 21	
<212> DNA	
<213> Mus musculus	
<400> 12	
aaaaccagca tcttgtcagc c	21
<210> 13	
<211> 21	
<212> DNA	

## 284025US0XPCT.ST25

&lt;213&gt; Homo sapiens

&lt;400&gt; 13

aaccagcatc ttgtcagccc t

21

&lt;210&gt; 14

&lt;211&gt; 21

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 14

aacagtcgtga ggagccgcga g

21

&lt;210&gt; 15

&lt;211&gt; 21

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 15

aaaacttggt cggggcaagt a

21

&lt;210&gt; 16

&lt;211&gt; 21

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 16

aaaggaccct gtgtcaaaga c

21

&lt;210&gt; 17

&lt;211&gt; 21

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 17

aagcaactct accagatcct g

21

&lt;210&gt; 18

&lt;211&gt; 21

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 18

aaagctctgg attactgccca c

21

&lt;210&gt; 19

&lt;211&gt; 21

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 19

aaggaaatca tgcacaggga t

21

&lt;210&gt; 20

&lt;211&gt; 21

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 20

aagggaccag agtccttgt g

21

284025US0XPCT.ST25

<210> 21  
<211> 21  
<212> DNA  
<213> Homo sapiens

<400> 21  
aattgccaaag gttctgggga c

21

<210> 22  
<211> 21  
<212> DNA  
<213> Homo sapiens

<400> 22  
aacattcacg gaagcgctgg g

21

<210> 23  
<211> 21  
<212> DNA  
<213> Homo sapiens

<400> 23  
aacaggcacc ttgtcagccc g

21

<210> 24  
<211> 21  
<212> DNA  
<213> Homo sapiens

<400> 24  
aaagaggcca tggagcaccc a

21

<210> 25  
<211> 21  
<212> DNA  
<213> Homo sapiens

<400> 25  
aaggaggcagt cccagccttg t

21

<210> 26  
<211> 20  
<212> DNA  
<213> Homo sapiens

<400> 26  
aagactacat ccaggacaat

20

<210> 27  
<211> 21  
<212> DNA  
<213> Homo sapiens

<400> 27  
tcaatgagca ggtccctcac t

21

<210> 28  
<211> 21  
<212> DNA  
<213> Homo sapiens

284025US0XPCT.ST25

<400> 28 caatgagcag gtccctcact a	21
<210> 29 <211> 21 <212> DNA <213> Homo sapiens	
<400> 29 acctggagcc tgatgaagaa c	21
<210> 30 <211> 21 <212> DNA <213> Homo sapiens	
<400> 30 tggagcctga tgaagaactg g	21
<210> 31 <211> 21 <212> DNA <213> Homo sapiens	
<400> 31 ggagcctgat gaagaactgg a	21
<210> 32 <211> 21 <212> DNA <213> Homo sapiens	
<400> 32 aagacaaccc caaccagagt g	21
<210> 33 <211> 21 <212> DNA <213> Homo sapiens	
<400> 33 cctgtcggac atcccaggtg a	21
<210> 34 <211> 21 <212> DNA <213> Homo sapiens	
<400> 34 aagctctact gccccaagtg c	21
<210> 35 <211> 21 <212> DNA <213> Homo sapiens	
<400> 35 ccaagagacc tgccaaccag t	21

## 284025US0XPCT.ST25

<210> 36  
<211> 21  
<212> DNA  
<213> Homo sapiens

<400> 36  
ccaggctcta cggtttcaag a

21

<210> 37  
<211> 21  
<212> DNA  
<213> Homo sapiens

<400> 37  
aagatccatc cgatggccta c

21

<210> 38  
<211> 21  
<212> DNA  
<213> Homo sapiens

<400> 38  
agcaacttca agagccccagt c

21

<210> 39  
<211> 21  
<212> DNA  
<213> Homo sapiens

<400> 39  
aacttcaaga gcccagtcaa g

21

<210> 40  
<211> 21  
<212> DNA  
<213> Homo sapiens

<400> 40  
agagccccagt caagacgatt c

21

<210> 41  
<211> 21  
<212> DNA  
<213> Artificial

<220>  
<223> Synthetic Polynucleotide

<400> 41  
gcagggccag aguuuuacact t

21

<210> 42  
<211> 21  
<212> DNA  
<213> Artificial

<220>  
<223> Synthetic Polynucleotide

<400> 42  
cacacacaga ccccgagagt t

21

<210> 43  
<211> 21  
<212> DNA  
<213> Artificial

<220>  
<223> Synthetic Polynucleotide

<400> 43  
aaauacacaca gaccucgagt t

21

<210> 44  
<211> 21  
<212> DNA  
<213> Artificial

<220>  
<223> Synthetic Polynucleotide

<400> 44  
gaccccgaga guacugggt t

21

<210> 45  
<211> 21  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Synthetic Polynucleotide

<400> 45  
uuugagaggu gggcccaact t

21

<210> 46  
<211> 21  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Synthetic Polynucleotide

<400> 46  
uguccgaguu gcuucucgat t

21

<210> 47  
<211> 21  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Synthetic Polynucleotide

<400> 47  
uggaggcuugg guuguaugct t

21

<210> 48  
<211> 21  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Synthetic Polynucleotide

<400> 48  
caguugguga ggauagccat t 21

<210> 49  
<211> 21  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Synthetic Polynucleotide

<400> 49  
gugaggauag ccaagguauct t 21

<210> 50  
<211> 21  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Synthetic Polynucleotide

<400> 50  
aggauagcca agguucuggt t 21

<210> 51  
<211> 21  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Synthetic Polynucleotide

<400> 51  
cgauaucuug ggcagacact t 21

<210> 52  
<211> 21  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Synthetic Polynucleotide

<400> 52  
uaucuugggc agacacucc t 21

<210> 53  
<211> 21  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Synthetic Polynucleotide

<400> 53  
aaccagcacc uugucagcct t 21

<210> 54  
<211> 21  
<212> DNA

284025US0XPCT.ST25

<213> Artificial Sequence  
<220>  
<223> Synthetic Polynucleotide  
<400> 54  
ccagcaccuu gucagcccut t 21

<210> 55  
<211> 21  
<212> DNA  
<213> Artificial Sequence  
<220>  
<223> Synthetic Polynucleotide  
<400> 55  
cagccugagg agccgcgagt t 21

<210> 56  
<211> 21  
<212> DNA  
<213> Artificial Sequence  
<220>  
<223> Synthetic Polynucleotide  
<400> 56  
aacuugggucg gggcaaguat t 21

<210> 57  
<211> 21  
<212> DNA  
<213> Artificial Sequence  
<220>  
<223> Synthetic Polynucleotide  
<400> 57  
aggacccugu gucaaagact t 21

<210> 58  
<211> 21  
<212> DNA  
<213> Artificial Sequence  
<220>  
<223> Synthetic Polynucleotide  
<400> 58  
gcaacucuac cagauccugt t 21

<210> 59  
<211> 21  
<212> DNA  
<213> Artificial Sequence  
<220>  
<223> Synthetic Polynucleotide  
<400> 59  
agcucuggau uacugccact t 21

<210> 60  
<211> 21  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Synthetic Polynucleotide

<400> 60  
gggaaucaug cacagggaut t 21

<210> 61  
<211> 21  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Synthetic Polynucleotide

<400> 61  
gggaccagag cuccuugugt t 21

<210> 62  
<211> 21  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Synthetic Polynucleotide

<400> 62  
uugccaagggu ucuggggact t 21

<210> 63  
<211> 21  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Synthetic Polynucleotide

<400> 63  
cauucacgga agcgcugggt t 21

<210> 64  
<211> 21  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Synthetic Polynucleotide

<400> 64  
caggcaccuu gucagcccgt t 21

<210> 65  
<211> 21  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Synthetic Polynucleotide

<400> 65 agaggccaug gagcacccat t	21
<210> 66 <211> 21 <212> DNA <213> Artificial Sequence	
<220> <223> Synthetic Polynucleotide	
<400> 66 ggagcagucc cagccuugut t	21
<210> 67 <211> 20 <212> DNA <213> Artificial Sequence	
<220> <223> Synthetic Polynucleotide	
<400> 67 gacuacaaucc aggacaau tt	20
<210> 68 <211> 19 <212> DNA <213> Artificial Sequence	
<220> <223> Synthetic Polynucleotide	
<400> 68 aaugagcagg ucccucacu	19
<210> 69 <211> 21 <212> DNA <213> Artificial Sequence	
<220> <223> Synthetic Polynucleotide	
<400> 69 caaugagcag guccucacu a	21
<210> 70 <211> 21 <212> DNA <213> Artificial Sequence	
<220> <223> Synthetic Polynucleotide	
<400> 70 accuggagcc ugaugaagaa c	21
<210> 71 <211> 21 <212> DNA	

284025US0XPCT.ST25

<213> Artificial Sequence  
<220>  
<223> Synthetic Polynucleotide  
  
<400> 71  
uggagccuga ugaagaacug g 21  
  
<210> 72  
<211> 21  
<212> DNA  
<213> Artificial Sequence  
  
<220>  
<223> Synthetic Polynucleotide  
  
<400> 72  
ggagccugau gaagaacugg a 21  
  
<210> 73  
<211> 21  
<212> DNA  
<213> Artificial Sequence  
  
<220>  
<223> Synthetic Polynucleotide  
  
<400> 73  
aagacaaccc caaccagagu g 21  
  
<210> 74  
<211> 21  
<212> DNA  
<213> Artificial Sequence  
  
<220>  
<223> Synthetic Polynucleotide  
  
<400> 74  
ccugucggac aucccaggug a 21  
  
<210> 75  
<211> 21  
<212> DNA  
<213> Artificial Sequence  
  
<220>  
<223> Synthetic Polynucleotide  
  
<400> 75  
gcucuacugc cccaagugct t 21  
  
<210> 76  
<211> 21  
<212> DNA  
<213> Artificial Sequence  
  
<220>  
<223> Synthetic Polynucleotide  
  
<400> 76  
ccaagagacc ugccaaccag u 21

284025US0XPCT.ST25

<210> 77  
<211> 21  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Synthetic Polynucleotide

<400> 77  
ccaggctcta cggttcaag a 21

<210> 78  
<211> 21  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Synthetic Polynucleotide

<400> 78  
gauccauccg auggccuact t 21

<210> 79  
<211> 21  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Synthetic Polynucleotide

<400> 79  
agcaacuuca agagcccagu c 21

<210> 80  
<211> 21  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Synthetic Polynucleotide

<400> 80  
aacttcaaga gcccagtcaa g 21

<210> 81  
<211> 21  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Synthetic Polynucleotide

<400> 81  
agagcccagt caagacgatt c 21

<210> 82  
<211> 64  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Synthetic Polynucleotide

284025US0XPCT.ST25

<400> 82  
gatccctga agactacatc caggacttca agagagtccct ggatgttagtc ttcatttttg 60  
gaaa 64

<210> 83  
<211> 21  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Synthetic Polynucleotide

<400> 83  
aagacuacau ccaggacaat t 21

<210> 84  
<211> 21  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Synthetic Polynucleotide

<400> 84  
uuguccugga uguagucuut t 21

<210> 85  
<211> 50  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Synthetic Polynucleotide

<400> 85  
ugaagacuac auccaggacu ucaagagaag uccuggaugu agucuucauu 50

<210> 86  
<211> 21  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Synthetic Polynucleotide

<400> 86  
ugaagacuac auccaggacu u 21

<210> 87  
<211> 21  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Synthetic Polynucleotide

<400> 87  
guccuggaugg uagucuucaau u 21